

# Pilot Devices

## Compact heavy duty pushbutton

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ABB Pilot devices strengthens its product offering towards vehicles and heavy industry by introducing the 22mm Compact heavy duty pushbutton. The product enters the market with the highest ratings and protection in our offering. With its enforced rubber sealing protecting the inside, this product is suitable in areas where regular pushbuttons are not enough.



Description	Type	Order code	Pkg qty	Weight (1pce) Kg
<b>Contacts included 2NO</b>				
● Green	CP6-10G-20	1SFA619105R1022	1x10	0.031
● Red	CP6-10R-20	1SFA619105R1021	1x10	0.031
● Black	CP6-10B-20	1SFA619105R1026	1x10	0.031
<b>Contacts included 2NC</b>				
● Green	CP6-10G-02	1SFA619105R1052	1x10	0.031
● Red	CP6-10R-02	1SFA619105R1051	1x10	0.031
● Black	CP6-10B-02	1SFA619105R1056	1x10	0.031
<b>Contacts included 1NO+1NC</b>				
● Green	CP6-10G-11	1SFA619105R1072	1x10	0.031
● Red	CP6-10R-11	1SFA619105R1071	1x10	0.031
● Black	CP6-10B-11	1SFA619105R1076	1x10	0.031

# Technical data Compact heavy duty pushbutton

## Standards and Approvals

IEC / EN 60947-1	Low-Voltage switchgear and controlgear - Part 1: General rules
IEC / EN 60947-5-1	Low-Voltage Switchgear and Controlgear - Part 5-1: Control circuit devices and switching elements - Electro-mechanical control circuit devices
IEC / EN 60073	Basic and safety principles for man-machine interface, marking and identification - Coding principles for indicators and actuators
IEC / EN 60529	Degrees of protection provided by enclosures (IP Code)
EN 50013	Low-Voltage switchgear and controlgear for industrial use - Terminal marking and distinctive number for particular control switches
DIN 40050-9	Road vehicles; Degrees of protection (IP-code); protection against foreign objects; water and contact; electrical equipment
UL 508	Industrial control equipment
CSA C22.2 No 14	Industrial control equipment

## Environmental Data

Degrees of Protection	IEC/EN DIN	UL/CSA
Compact Heavy duty Pushbutton	IP 66, IP67, IP69K	Type:1, 3R, 4, 4X, 12, 13

## Temperature

Ambient temperature during operation	-25 to +70 °C
Storage temperature	-40 to +85 °C

## Cable Connections

Operator	Cable Terminal
Compact Heavy duty Pushbutton	Connectable area: min. 1 x 0.5 mm <sup>2</sup> / 1 x AWG22 max. 2 x 1.5 mm <sup>2</sup> / 2 x AWG14
Operators Locking Nut	Min. 2 Nm / Max. 2.3 Nm
Cable Terminals M3	0.8 Nm

## Ratings as per IEC 60947-5-1

Rated impulse withstand voltage U <sub>imp</sub>	4kV
Conventional free air thermal current I <sub>th</sub> (A)	5A
Rated frequency	50-60 Hz
Mechanical Life	500 000 Operations

## Electrical data

### Contacts

#### Ratings as per IEC 60947-5-1

Rated Insulation Voltage, U <sub>i</sub>		300 V	
Rated Thermal Current, I <sub>th</sub>		5 A	
Rated Operational Current, I <sub>e</sub>			
Utilization category AC-15	at: 240 V	1 A	
Rated Operational Current, I <sub>e</sub>	at: 24 V	0.3 A	
Utilization category DC-13,	at: 125 V	0.2 A	

#### Ratings as per UL, CSA, NEMA

Rated Insulation Voltage		C300 AC	R300 DC
Rated Thermal Current		250 V	250 V
Rated Thermal Current		2.5 A	1 A
Rated Operational Current			
	at: 120 V	1.5 A	
	at: 125 V		0.22 A
	at: 240 V	0.75 A	
	at: 250 V		0.11 A

### Short circuit protection

Max. fuse at 1 kA	gG 10A
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### Minimum Switching Capacity

5 V DC	1 mA
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### Make-and-break Contacts

